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PATENT ABSTRACTS OF JAPAN

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UCHIGAKI TAKATOSHI****(54) TOOL AND METHOD FOR ANALYZING LIQUID
SAMPLE****(57) Abstract:**

PURPOSE: To make it possible to perform automatic measurement by applying and drying reagent liquid so as to cover the through hole of a light transmitting supporting body, fixing the obtained light transmitting film, fixing a cover for forming a capillary tube chamber on the above described supporting body, supplying a sample into the above described capillary tube chamber, and detecting the spreading of the sample to the reagent layer.

CONSTITUTION: A light transmitting supporting body 1 has a through hole 11. A light transmitting porous film 2 is fixed on the supporting body 1 so as to cover the through hole 11. A reagent layer 3 is fixed on the surface of the porous film 2 which is not in contact with the porous film 2. A cover 5 is provided so as to form a capillary tube chamber 4 between the cover and the supporting body 1 and so as to cover at least the reagent layer 3. The cover 5 has a sample feeding hole 51 and an air discharging hole 52. The liquid sample which is supplied through the sample feeding hole 51 wets the reagent layer 5 and quickly expands to a sample detecting part 53. The sample is detected by the change in reflectivity at the sample detecting part 53, and automatic measurement is started.

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